DERWENT-ACC-NO: 1996-496168

DERWENT-WEEK: **199649**

TITLE: Automatic system for heat treatment of pipes - has additional temp. detector connected to control block

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PRIORITY-DATA: 1993RU-0055594 (December 13, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RU **2055913** C1	March 10, 1996	N/A	004	C21D 009/08

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
RU 2055913C1	N/A	1993RU-0055594	December 13, 1993

INT-CL (IPC): C21D009/08, C21D011/00

ABSTRACTED-PUB-NO: RU 2055913C

BASIC-ABSTRACT:

The system has a moving device with an inductor (4), a feed source (15) connected through the control block (14) to the inductor, a temp. detector (7) connected to the control block, the moving device drive, and velocity regulator (12). The system has an additional temp. detector (8) connected to the control block and through the regulator connected to the moving device drive and located on the front edge of the inductor working zone in its displacement direction. The main temp. detector is fitted in the inductor working zone. The system has a cooling unit (13) for the pipe treated section. The cooling unit is located beyond the inductor and is connected to the moving device.

The framework (1), flanges (2) and cooling unit (13) are fitted on the pipe and

the system is switched on. The pipe temp is controlled by temp. detectors (7, 8). The detector (7) connector (5) is located in a more heated section of the pipe in the middle of the inductor (4) winding. The signal from the detector (7) is supplied to the control block (14) which can disconnect the inductor from the feed source (15) when the temp. is higher than a given value and can connect the inductor to the source when the temp. is lower than the given value.

USE - For heat treatment of pipes.

ADVANTAGE - The process is automated.

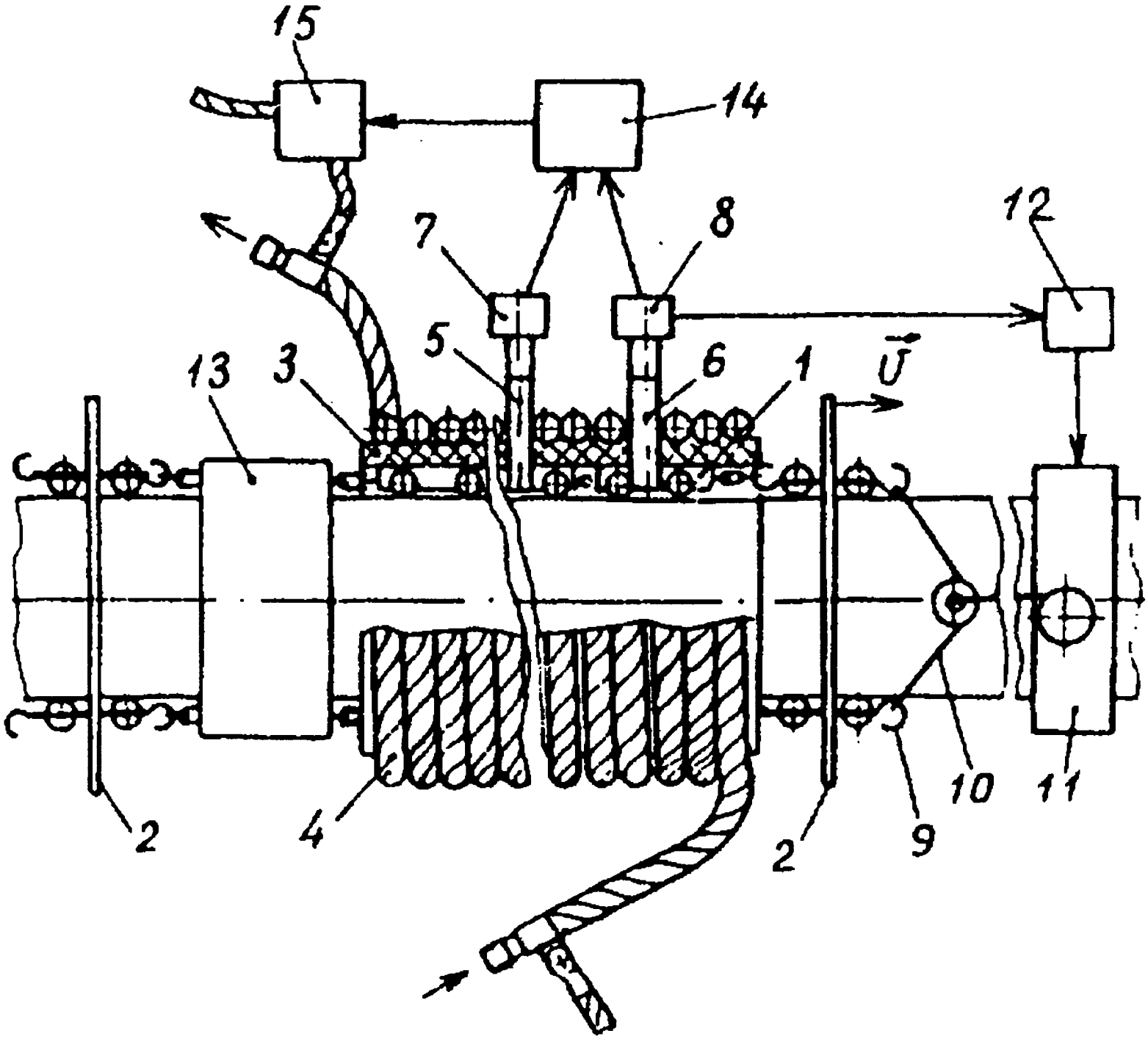
CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: AUTOMATIC SYSTEM HEAT TREAT PIPE ADD TEMPERATURE DETECT CONNECT
CONTROL BLOCK

DERWENT-CLASS: M24

CPI-CODES: M24-D07;

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1996-154944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